

FIGURE 1

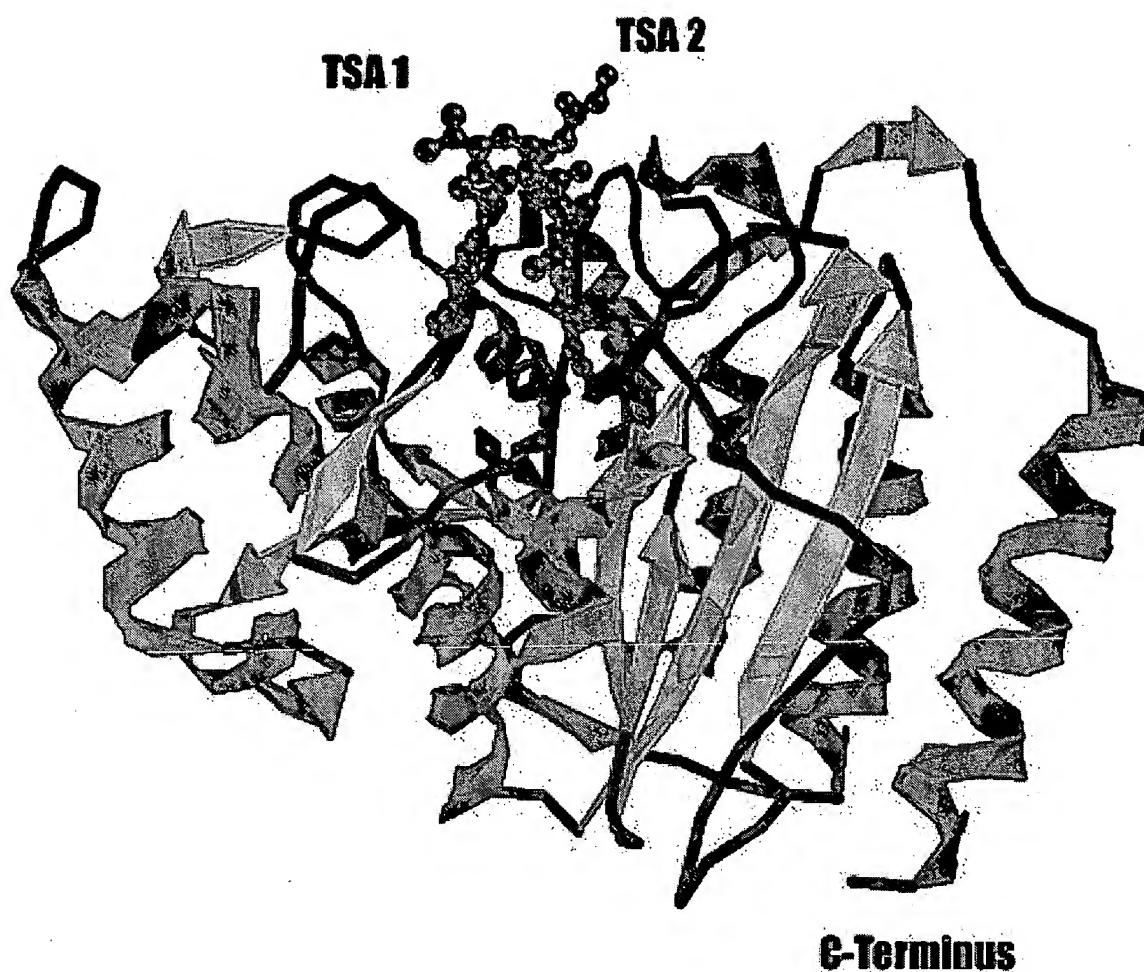


FIGURE 2A

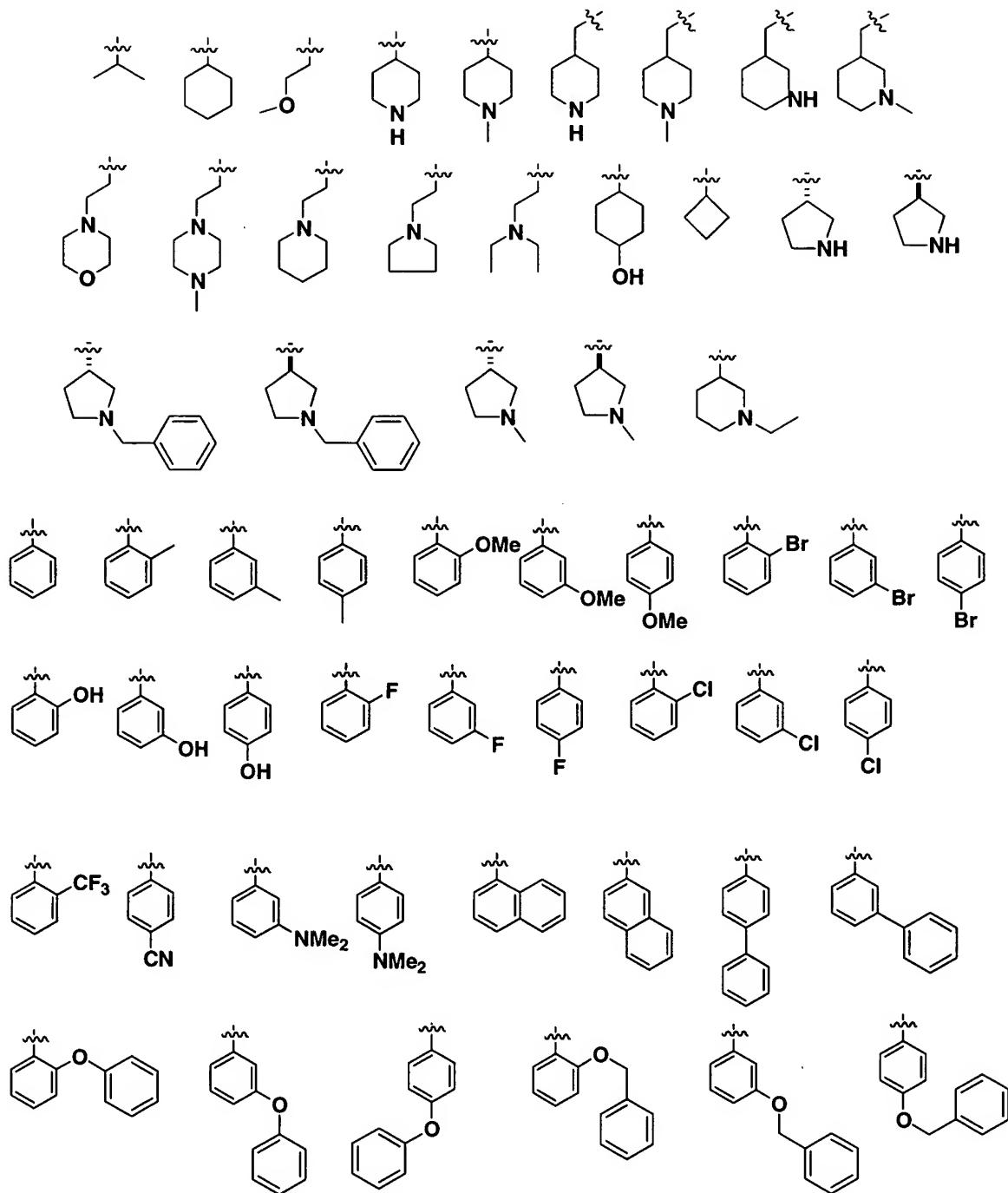


FIGURE 2A (cont.)

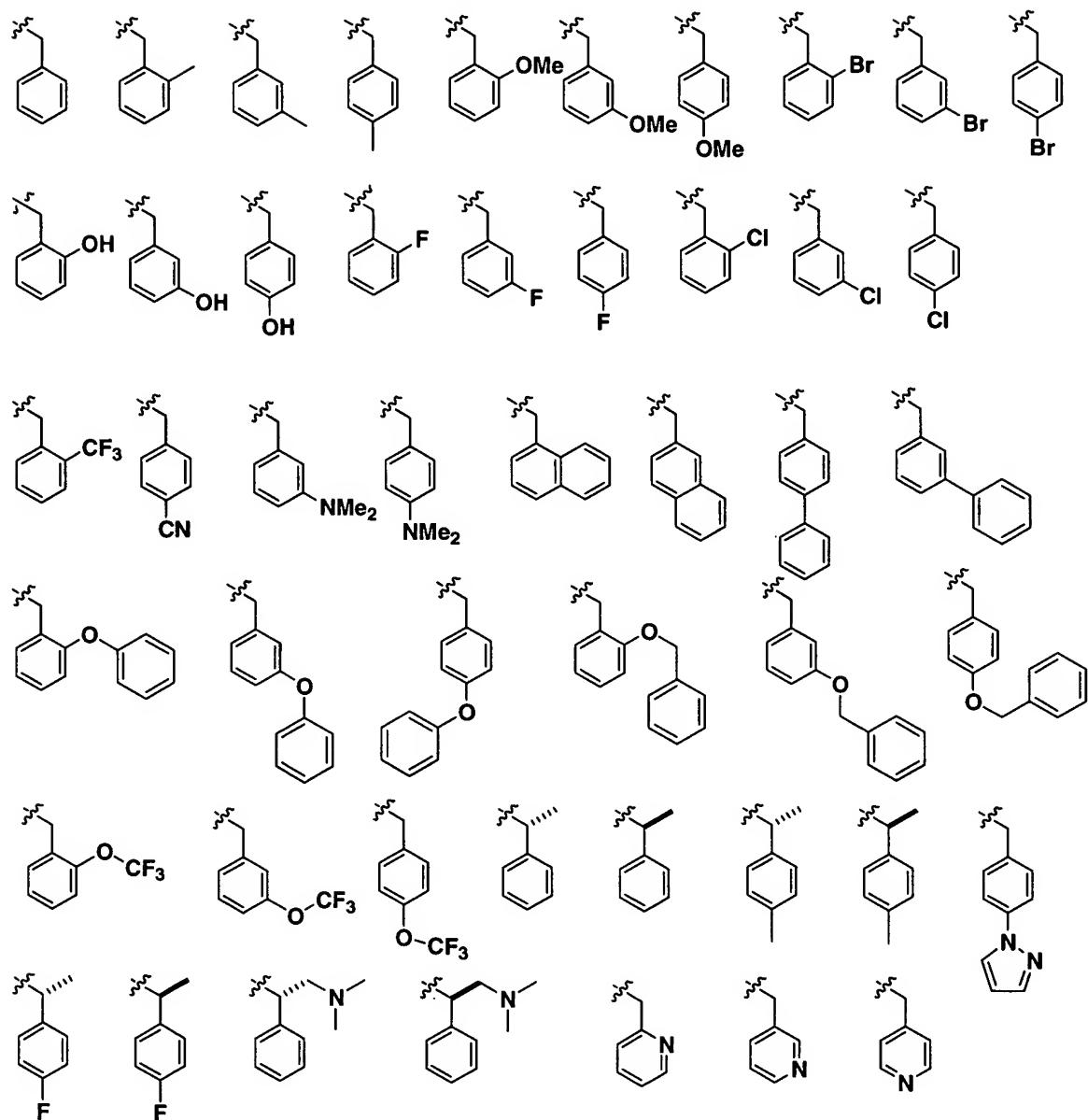


FIGURE 2A (cont.)

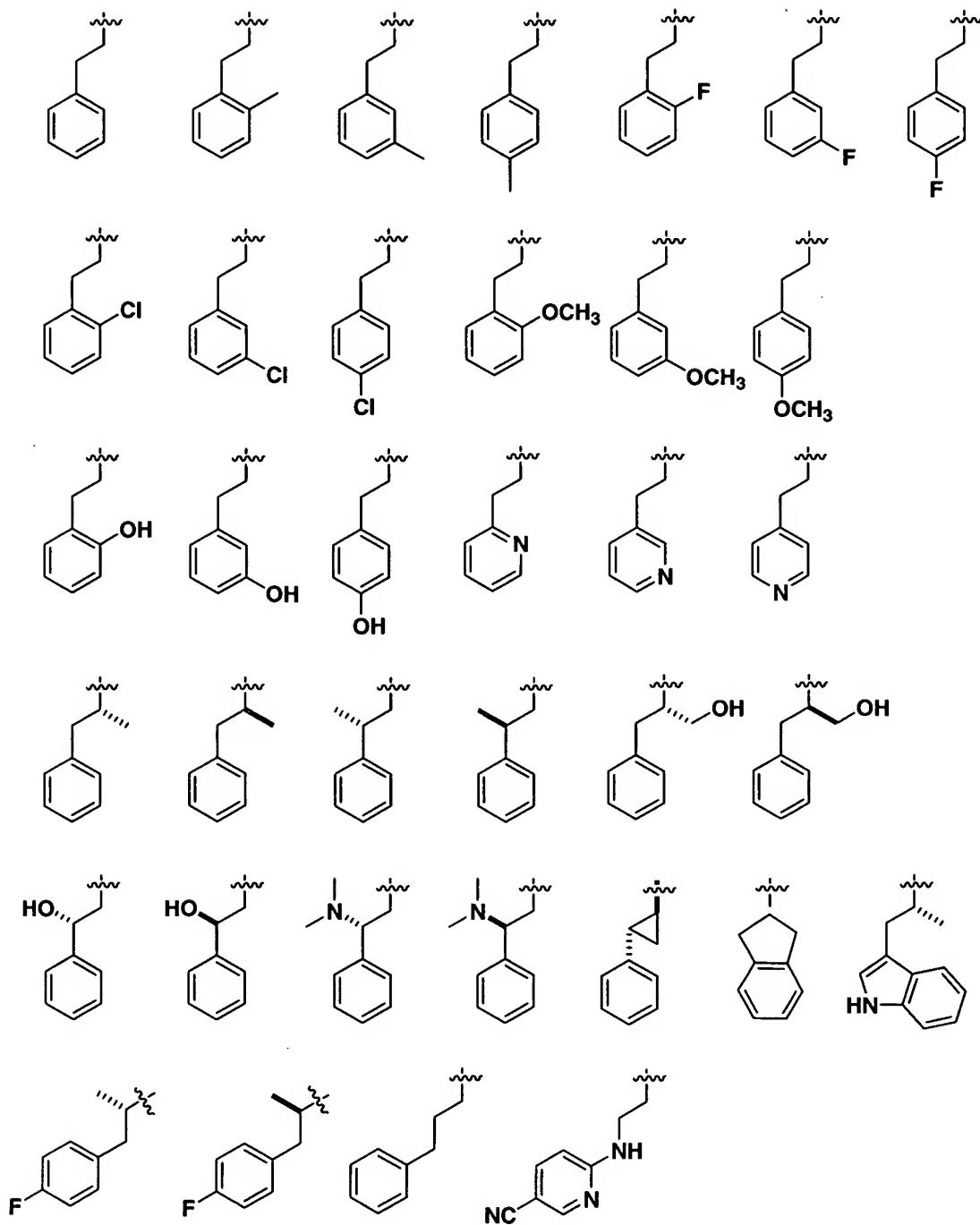


FIGURE 2A (cont.)

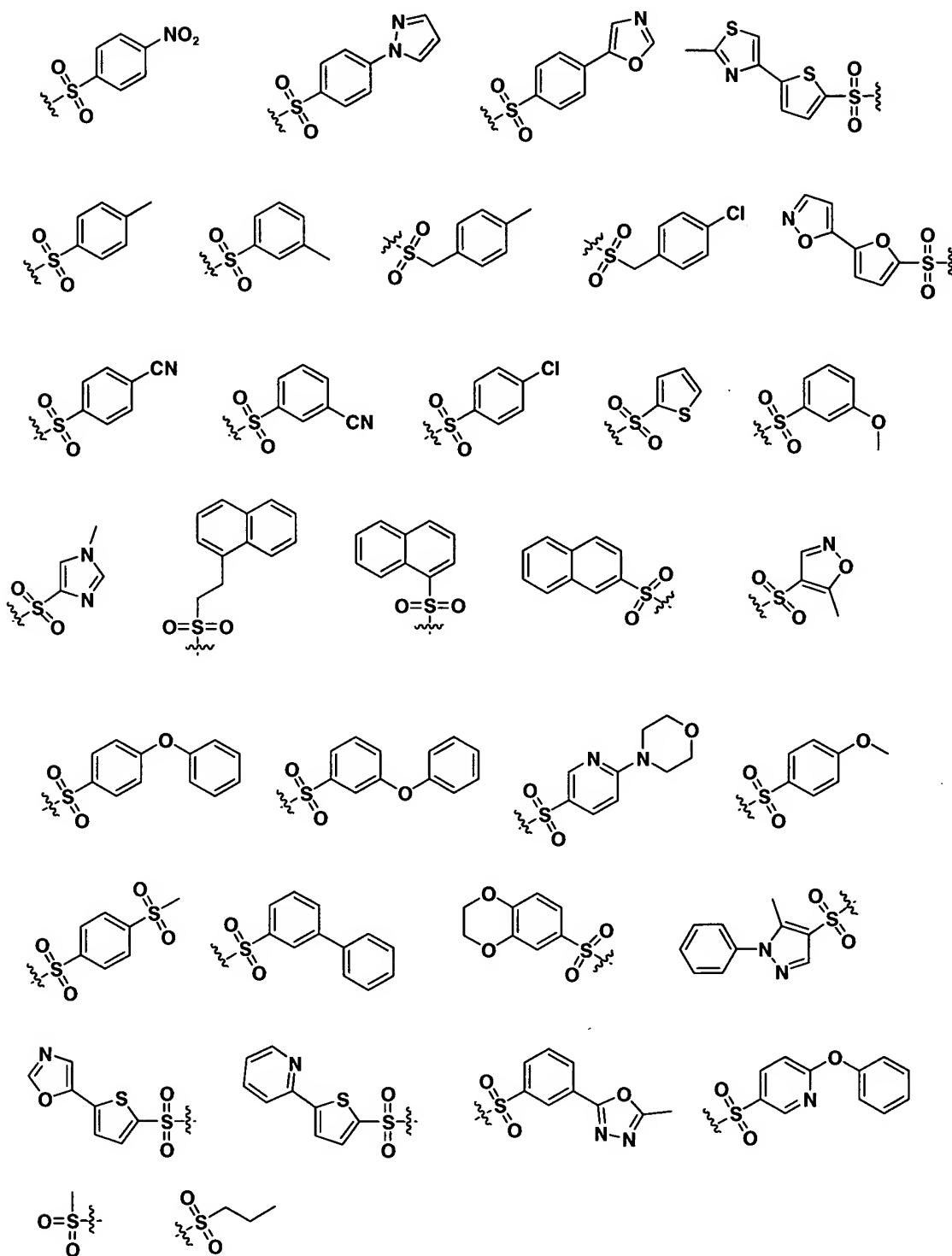


FIGURE 2A (cont.)

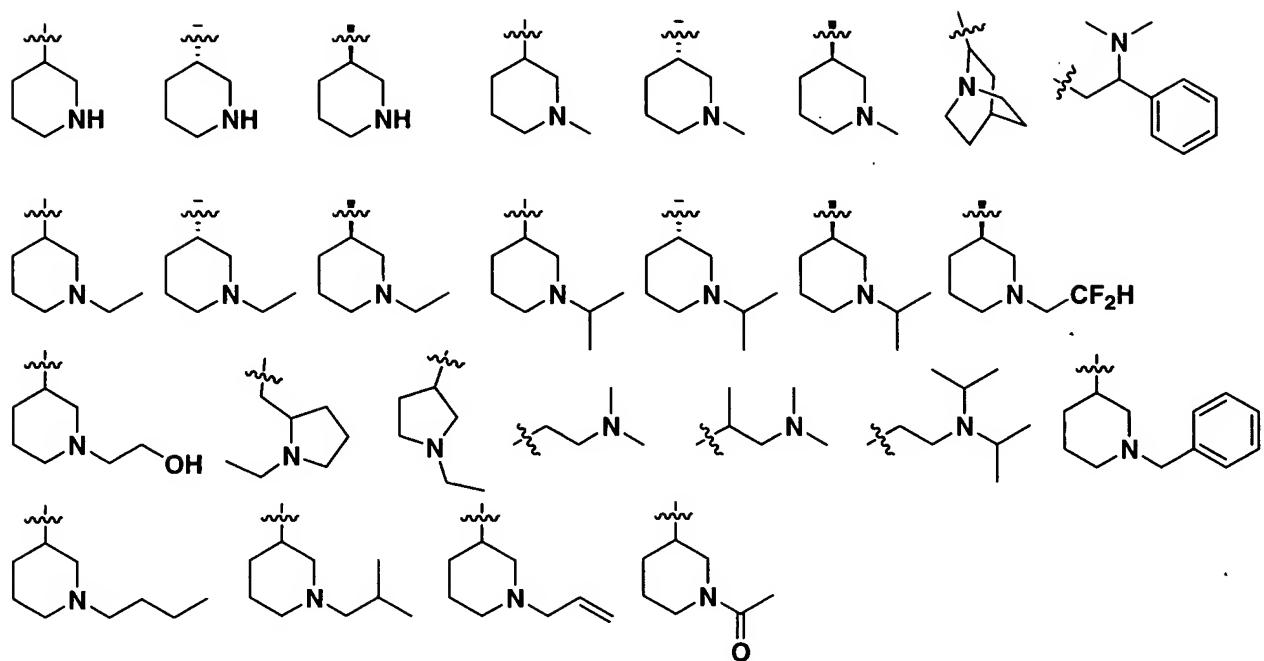


FIGURE 2B

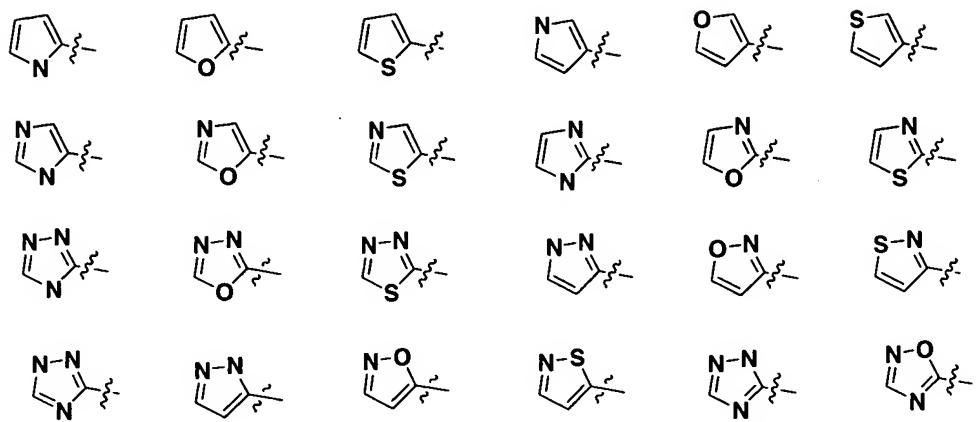


FIGURE 2C

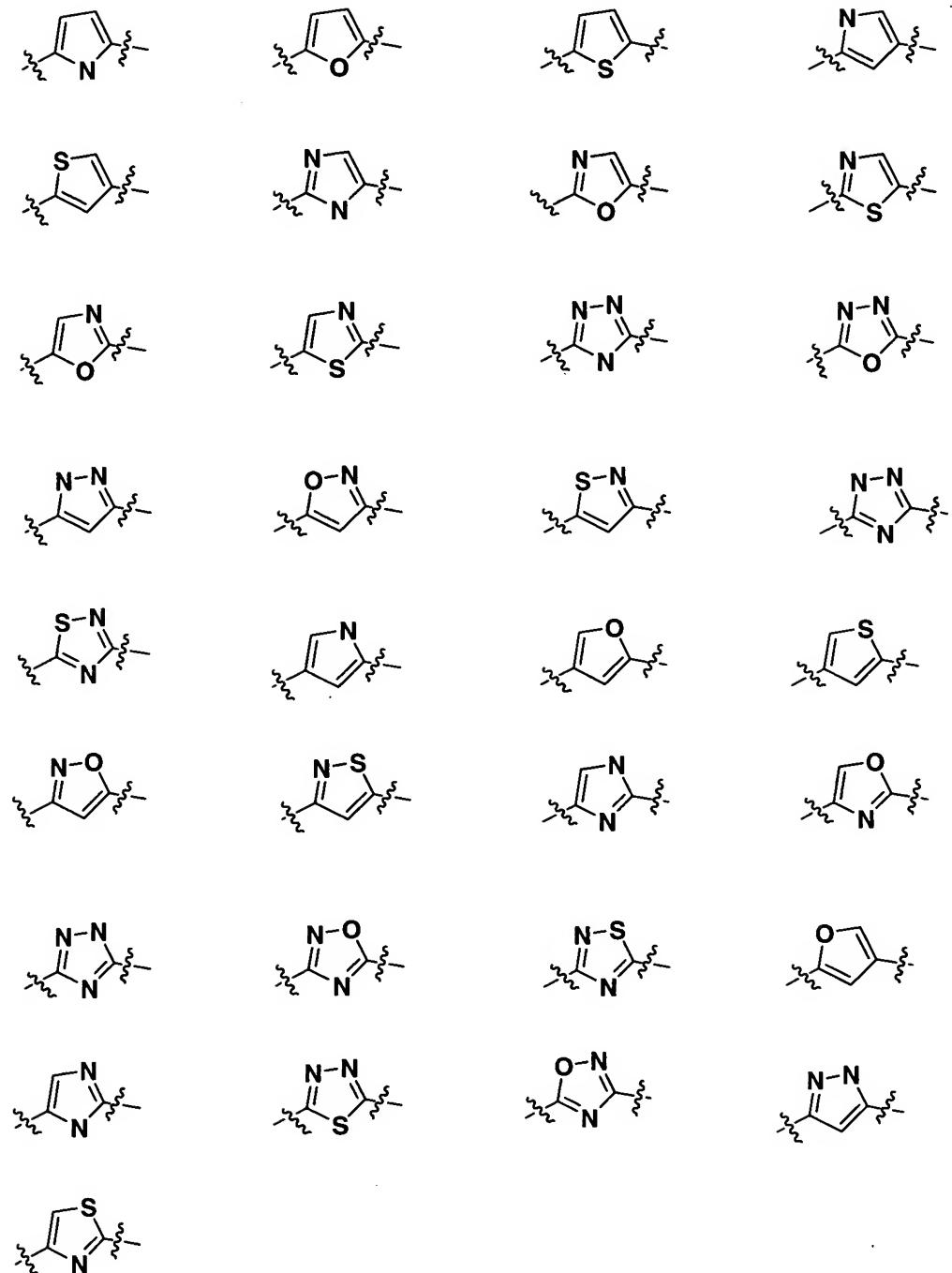


FIGURE 2C (cont.)

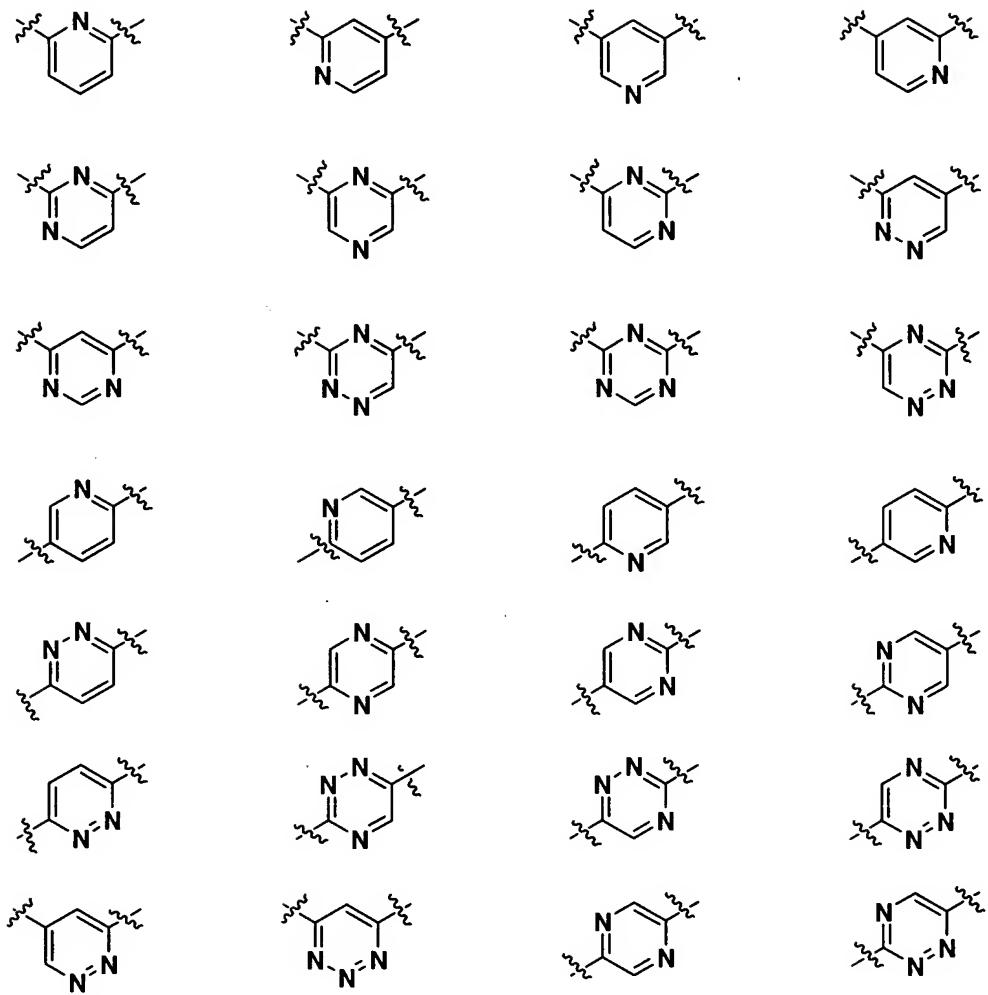


FIGURE 2D

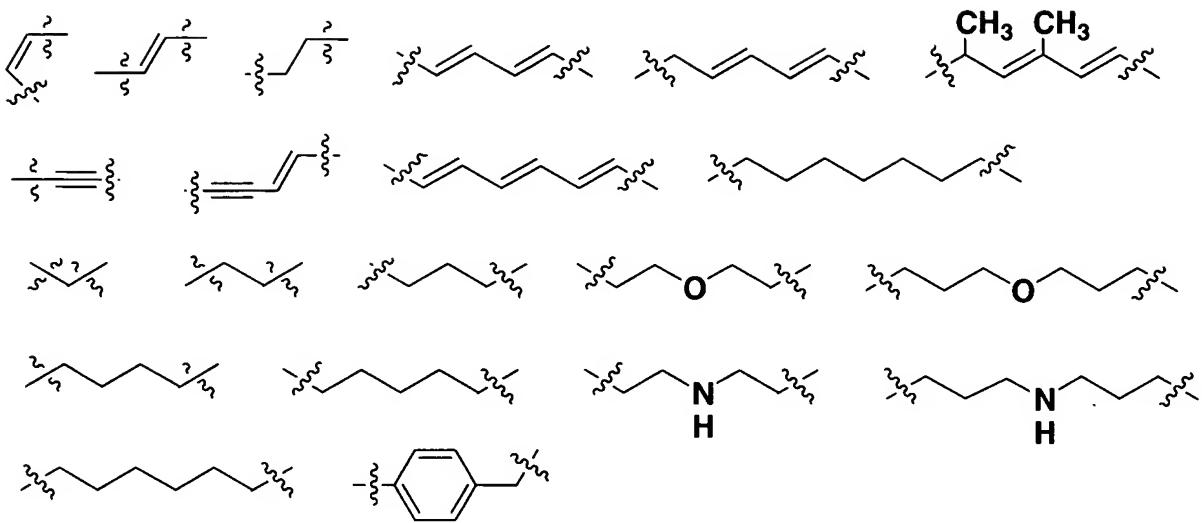


FIGURE 3

SEQ. ID No. 1

MSYYHHHHHDYDIPPTENLYFQGAMEPGGSMAQTQGTRRKVCYYDGDVGNYYYGQGHP
MKPHRIRMTHNLLNYGLYRKMEIYRPHKANAEEMTKYHSDDYIKFLRSIRPDNMSEYSK
QMQRFNVGEDCPVFDGLFEFCQLSTGGSVASAVKLNQQTDIRAVNWAGGLHHAKKSEASG
FCYVNDIVLAILELLKYHQRVLYIDIDIHGDGVEEAFYTTDRVMTVSFHKYGEYFPGTG
DLRDIGAGKGKYYAVNYPLRDGIDDESYEAIKPVMSKMEMFQPSAVVLQCGSDSLSGD
RLGCFNLTIKGHAKCVEFVKSFNLPMLMLGGGGTIRNVARCWTYETAVALDTEIPNELP
YNDYFEYFGPDFKLHISPSNMTNQNTNEYLEKIKQRLFENLRMLPHAPGVQMQAIPEDAI
PEESGDEDEDDPDKRISICSSDKRIACEEEFDSEEEEGGGRKNSSNFKAKRVKTEDEK
EKDPEEKKEVTEEEKTKEEKPEAKGVKEEVKLA

FIGURE 4

SEQ. ID No. 2

ATGTCGTACTACCATTACCATCACCATCACGATTACGATATCCAAACGACCGAAAACCTG
TATTTTCAGGGCGCCATGGAACCCGGGGATCCATGGCGCAGACGCAGGGCACCCGGAGG
AAAGTCTGTTACTACTACGACGGGATGTTGAAATTACTATTATGGACAAGGCCACCCA
ATGAAGCCTCACCGAATCCGCATGACTCATAATTGCTGCTCAACTATGGTCTCTACCGA
AAAATGAAATCTATGCCCTACAAAGCCAATGCTGAGGAGATGACCAAGTACCAACAGC
GATGACTACATTAAATTCTTGCCTCCATCCGTCCAGATAACATGTCGGAGTACAGCAAG
CAGATGCAGAGATTCAACGTTGGTGAGGACTGTCCAGTATTGATGGCCTGTTGAGTTC
TGTCAGTTGCTACTGGTGGTCTGTGGCAAGTGCTGAAACTTAATAAGCAGCAGACG
GACATCGCTGTGAATTGGCTGGGGCCTGCACCATGCAAAGAAGTCCGAGGCATCTGGC
TTCTGTTACGTCAATGATATCGTCTGGCCATCCTGGAACTGCTAAAGTATCACCAGAGG
GTGCTGTACATTGACATTGATATTCACCATGGTGACGGCGTGGAAAGAGGCCCTCTACACC
ACGGACGGGTATGACTGTGCTTTCATAAGTATGGAGAGTACTTCCCAGGAACGG
GACCTACGGGATATCGGGCTGGCAAAGGCAAGTATTATGCTGTTAATCACCCTCCGA
GACGGGATTGATGACGAGTCTATGAGGCCATTTCAGCCGGTATGTCCAAGTAATG
GAGATGTTCCAGCCTAGTGGCTGGTCTTACAGTGTGGCTCAGACTCCCTATCTGGGAT
CGGTTAGGTTGCTTCATCTAACTATCAAAGGACACGCCAAGTGTGGAAATTGTCAG
AGCTTTAACCTGCCTATGCTGATGCTGGGAGGCGGTGGTACACCATTGTAACGTTGCC
CGGTGCTGGACATATGAGACAGCTGTGGCCCTGGATACGGAGATCCCTAATGAGCTTCCA
TACAATGACTACTTGAATACTTGGACCAGATTCAAGCTCACATCAGTCCTTCAAT
ATGACTAACAGAACACGAATGAGTACCTGGAGAAGATCAAACAGCGACTGTTGAGAAC
CTTAGAATGCTGCCGACGCACCTGGGTCAAATGCAGGCGATTCTGAGGAGGCCATC
CCTGAGGAGAGTGGCGATGAGGACGAAGACGACCCCTGACAAGCGCATCTGATCTGCTCC
TCTGACAAACGAATTGCCTGTGAGGAAGAGTTCTCGATTCTGAAGAGGAGGGAGAGGG
GGCCGCAAGAACTCTTCAACTTCAAAAAAGCCAAGAGAGTCAAACAGAGGATGAAAAAA
GAGAAAGACCCAGAGGAAGAAAGAACGTCACCGAAGAGGAGAAAACCAAGGAGGAGAAC
CCAGAACCAAAGGGTCAAGGAGGAGTCAAGTTGGCCTGA

FIGURE 5

SEQ. ID No. 3

MGSMAYSQGGGKKVCYYDGDIGNYYYGQGHPMKPHRIRMTHNLLNYGLYRKMEIYRP
HKATAEEMTKYHSDEYIKFLRSIRPDNMSEYSKQMQRFNVGEDCPVFDGLFEFCQLSTGG
SVAGAVKLNQQTDMAVNWAGGLHHAKKSEASGFCYVNDIVLAILELLKYHQRVLYIDID
IHHGDGVEEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIGAGKGKYYAVNFPMRDGIDDES
YGQIFKPIISKVMEMYQPSAVVLQCGADSLSGDRLGCFNLTVKGHAKCDEVVKTFLPLL
MLGGGGYTIRNVARCWTYETAVALDCEIPNELPYNDYFEYFGPDFKLHISPSNMTNQNTP
EYMEKIKQRLFENLRMLPHAPGVQMQAIPEDAVHEDSGDEDGEDPDKRISIRASDKRIAC
DEEFSDSEDEGEGGRRNVAHDKKGAKKARIEEDKKETEDKKTDVKEEDKSKDNGEKTDT
KGTKSEQLSNPGHHHHHH

FIGURE 6

SEQ. ID No. 4

ATGGGATCCATGGCGTACAGTCAGGAGGCAGAAAAAGTCTGCTACTACTACGAC
GGTGTATTGGAAATTATTATTATGGACAGGGTCATCCCATGAAGCCTCATAGAATCCGC
ATGACCCATAACTTGCTGTTAAATTATGGCTTATACAGAAAATGAAATATAGGCC
CATAAAGCCACTGCCGAAGAAATGACAAATATCACAGTGATGAGTATATCAAATTCTA
CGGTCAATAAGACCAAGATAACATGTCAGTGAGTATAGTAAGCAGATGCAGAGATTTAATGTT
GGAGAAGATTGTCCAGTGTGTTGATGGACTCTTGAGTTTGTCACTGGCGGT
TCAGTTGCTGGAGCTGTGAAGTTAACCGACAACAGACTGATATGGCTGTTAATTGGGCT
GGAGGATTACATCATGCTAACGAAATCAGAACGATCAGGATTCTGTTACGTTAATGATATT
GTGCTTGCATCCTGAATTACTAAAGTATCATCAGAGAGTCTTATATATTGATATAGAT
ATTCACTCATGGTGTGTTGAGCTTTATACAAACAGATCGTGTAAATGACGGTA
TCATTCCATAAATATGGGAATACTTCCCTGGCACAGGAGACTTGAGGGATATTGGTGC
GGAAAAGGCAAATACTATGCTGTCAATTTCATGAGAGATGGTATAGATGAGTCA
TATGGGCAGATATTAAAGCCTATTATCTCAAAGGTGATGGAGATGTATCACCTAGTGC
GTGGTATTACAGTGTGGTGAGACTCATTATCTGGTGATAGACTGGGTTGTTCAATCTA
ACAGTCAAAGGTATGCTAAATGTGAGAAGTTGAAAAACTTTAACCTACCTACTG
ATGCTTGGAGGGAGGTGGCTACACAATCCGTAATGTTGCTCGATGTTGGACATATGAGACT
GCAGTTGCCCTGATTGTGAGATTCCAATGAGTTGCCATATAATGATTACTTGGTAT
TTTGGACCAGACTTCAAACATGCATATTAGTCCTCAAACATGACAAACCAGAACACTCCA
GAATATATGGAAAAGATAAAACAGCAGTTGTTGAAAATTGCGCATGTTACCTCATGCA
CCTGGTGTCCAGATGCAAGCTATTCCAGAACGATGCTGTTCATGAAGACAGTGGAGATGAA
GATGGAGAAGATCCAGACAAGAGAATTCTATTGAGCATCAGACAAGCGGATAGCTTGT
GATGAAGAATTCTCAGATTCTGAGGATGAAGGAGAAGGAGGTGAGAAATGTGGCTGAT
CATAGAAAGGAGCAAAGAAAGCTAGAATTGAAGAAGATAAGAAAGAAACAGAGGACAAA
AAAACAGACGTTAAGGAAGATAAAATCCAAGGACAACAGTGGTAAAAACAGATAACC
AAAGGAACCAAATCAGAACAGCTCAGCAACCCGGGCATCACCACCATCACTAA

FIGURE 7

SEQ. ID No. 5

MPGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDSFPEGPERLHAIKEQLIQEGLLDRCVS
FQARFAEKEELMLVHSLEYIDLMEQQYMNNEGELRVLADTYDSVYLHPNSYSCACLASGS
VLRLVDAVLGAEIRNGMAIRPPGHQAQHSLMDGYCMFNHVAVAARYAQQKHIRRVLIV
DWDVHHGQGTQFTFDQDPSVLYFSIHYEQGRFWPHLKASNWSTTGFQGQGQYTINVPWN
QVGMRDADYIAAFLHVLLPVALEFQPQLVLVAAGFDALQGDPKGEMAATPAGFAQLTHLL
MGLAGGKLILSLEGGYNLRALAEGVASLHTLLGDPCPMLESPGAPCRSAQASVSCALEA
LEPFWEVLVRSTETVERDNMEEDNVEESEEEGPWEPPVLPILTWPVLQSRTGLVYDQNMM
NHCNLWDSHHPPEVPQRILRIMCRLEELGLAGRCLTLTPRPATEAELLTCHSAEYVGHLRA
TEKMKTRELHRESSNFDSIYICPSTFACAQLATGAACRLVEAVLSGEVLNGAAVVRPPGH
HAEQDAACGFCFFNSVAVAARHAQTISGHALRILIVWDVHHGNGTQHMFEDDPSVLYVS
LHRYDHGTFPMGDEGASSQIGRAAGTGFVNVAWNGPRMDADYLAAWHRLVLPPIAYEF
NPELVLSAGFDAARGDPLGGCQVSPEGYAHLTLLMGLASGRIILILEGGYNLTSISES
MAACTRSLLGDPPPLTLPRPLSGALASITETIQVHRRYWRSLRVMKVEDREGPGHHHH
HH

FIGURE 9

SEQ. ID No. 7

MHHHHHHPMEEPEEPADSGQSLVPVYIYSPEYVSMCDSLAKIPKRASMVHSLIEAYALHK
QMRIVKPKVASMEEMAAFHTDAYLQHLQKVSEQGDDDHPDSEIYGLGYDCPATEGIFDYA
AAIGGATITAAQCLIDGMCKVAINWSGGWHHAKDEASGFCYLNDAVLGILRLRRKFERI
LYVDDLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPGTGDVSDVGLGKGRYYSVNVPIQ
DGIQDEKYYQICESVLKEVYQAFNPKAVVQLQGADIAGDPMCSFNMTPGVIGKCLKYIL
QWQLATLILGGGGYNLANTARCWTYLTGVILGKTLSSIEPDHEFFTAYGPDYVLEITPSC
RPDRNEPHRIQQIILNYIKGNLKHVV

FIGURE 8

SEQ. ID No. 6

ATGCCCGGGATGGATCTGAACCTGAGGCTGAAGCACTGGCTGGCACTGGCTTGGTGTG
GATGAGCAGTTAAATGAATTCCATTGCCTCTGGATGACAGCTCCCGAAGGCCCTGAG
CGGCTCCATGCCATCAAGGAGCAACTGATCCAGGAGGGCCTCTAGATCGCTGCGTGTCC
TTTCAGGCCGGTTGCTGAAAAGGAAGAGCTGATGTTGGTACAGCCTAGAATATATT
GATCTGATGGAAACAACCCAGTACATGAATGAGGGAGAACTCCGTCTTAGCAGACACC
TACGACTCAGTTATCTGCATCCGAACTCATACTCCTGTGCCTGCCCTCAGGCTCT
GTCCTCAGGCTGGATGCGGTCTGGGGCTGAGATCCGAATGGCATGCCATCATT
AGGCCTCCTGGACATCACGCCAGCACAGTCTTATGGATGGCTATTGCATGTTCAACCAC
GTGGCTGTGGCAGCCGCTATGCTAACAGAAACACCGCATCCGGAGGGCTTATCGTA
GATTGGGATGTGCACCACGGTAAGGAACACAGTTCACCTCGACCAGGACCCCAGTGT
CTCTATTCTCCATCCACCGCTACGAGCAGGGTAGGTTCTGGCCCCACCTGAAGGCCTCT
AACTGGTCCACCAACAGTTCGGCCAAGGATATACCATCAATGTGCCTTGGAAC
CAGGTGGGATGCGGATGCTGACTACATTGCTGCTTCCTGCACGTCCTGCTGCCAGTC
GCCCTCGAGTTCCAGCCTCAGCTGGCCTGGCTGCTGGATTGATGCCCTGCAAGGG
GACCCCAAGGGTGAGATGGCGCCACTCCGGCAGGGTTGCCCAGCTAACCCACCTGCTC
ATGGGTCTGGCAGGAGGCAAGCTGATCCTGCTCTGGAGGGTGGCTACAACCTCCGCGC
CTGGCTGAAGCGTCAGTGCTTCGCTCCACACCCCTCTGGAGACCCCTGCCCATGCTG
GAGTCACCTGGTCCCCCTGCCGGAGTGCCCAGGCTTCAGTTCTGTGCTCTGGAAGCC
CTTGAGCCCTTCTGGAGGGTCTTGAGATCAACTGAGACCGTGGAGAGGGACAACATG
GAGGAGGACAATGTAGAGGAGAGCGAGGAGGAAGGACCCCTGGAGCCCTGTGCTCCCA
ATCCTGACATGGCCAGTGCTACAGTCTGCACAGGGCTGGTCTATGACAAAATATGATG
AATCACTGCAACTTGTGGACAGCCACCACCCCTGAGGTACCCAGCGCATCTGCGGATC
ATGTGCCGTCTGGAGGAGCTGGCCTTGCCGGCGCTGCCCTCACCTGACACCGCGCC
GCCACAGAGGCTGAGCTGCTCACCTGTCACAGTGCTGAGTACGTGGTCATCTCGGGCC
ACAGAGAAAATGAAAACCCGGAGCTGCACCGTGAGAGTTCCAACTTGACTCCATCTAT
ATCTGCCCAAGTACCTCGCTGTGCACAGCTGCCACTGGCGCTGCCCTGCCCTGGTG
GAGGCTGTGCTCTCAGGAGAGGTTCTGAATGGTGTGCTGTGGTGCCTGGGGCAGGACAC
CACGCAGAGCAGGATGCAGCTGCCTGGCTTTGCTTTCAACTCTGTGGCTGTGCT
CGCCATGCCAGACTATCAGTGGCATGCCCTACGGATCCTGATTGTGGATTGGATGTC
CACCACTGTAATGAACTCAGCACATGTTGAGGATGACCCAGTGTGCTATATGTGTC
CTGCACCGCTATGATCATGGCACCTCTTCCCCATGGGGATGAGGGTGCAGCAGCCAG
ATCGGCCGGCTGCCGGCACAGGCTCACCGTCAACGTGGATGGAACGGGCCCGCATG
GGTGTGACTACCTAGCTGCCCTGGCATGCCCTGGCTTCCATTGCCCTACGAGTT
AACCCAGAACTGGTGTGGCTCAGCTGGCTTGATGCTGCACGGGGGATCCGCTGGGG
GGCTGCCAGGTGTACCTGAGGGTTATGCCCACTCACCCACCTGCTGATGGCCTTGCC
AGTGGCCGCATTATCCTATCCTAGAGGGTGGCTATAACCTGACATCCATCTCAGAGTCC
ATGGCTGCCCTGCACTCGCTCCCTCCTGGAGACCCACCACCCCTGCTGACCTGCCACGG
CCCCCACTATCAGGGCCCTGCCCTCAATCACTGAGACCATCCAAGTCCATCGCAGATA
TGGCGCAGCTTACGGGTATGAAGGTAGAAGACAGAGAAGGACCCGGCATCACCAC
CATCACTAA

FIGURE 10^b

SEQ. ID No. 8

ATGCACCATCACCATCACCATCCCATGGAGGAGCCGGAGGAACCGGCGGACAGTGGGCAG
TCGCTGGTCCC GGTTATATCTATAGTCCCAGTATGTCAGTATGTGTGACTCCCTGGCC
AAGATCCCCAAACGGGCCAGTATGGTGCATTCTTGATTGAAGCATATGCACTGCATAAG
CAGATGAGGATAGTTAACGCTAAAGTGGCCTCCATGGAGGAGATGGCCGCTTCCACACT
GATGCTTATCTGCAGCATCTCCAGAACGGTCAGCCAAGAGGGCGATGATGATCATCCGGAC
TCCATAGAATATGGGCTAGGTTATGACTGCCAGCCACTGAAGGGATATTGACTATGCA
GCAGCTATAGGAGGGCTACGATCACAGCTGCCAATGCCTGATTGACGGAATGTGCAAA
GTAGCAATTAACGGTCTGGAGGGTGGCATCATGCAAAGAAAGATGAAGCATCTGGTTT
TGTTATCTCAATGATGCTGCTGGGAATATTACGATTGCGACGGAAATTGAGCGTATT
CTCTACGTGGATTGGATCTGCACCATGGAGATGGTGTAGAACAGCATTCACTTCA
TCCAAAGTCATGACCGTGTCCCTGCACAAATTCTCCCAGGATTTCCCAGGAACAGGT
GACGTGTCTGATGTTGGCTAGGAAGGGACGGTACTACAGTGTAAATGTGCCATTCA
GATGGCATAACAAGATGAAAATATTACAGATCTGTGAAAGTGTACTAAAGGAAGTATAC
CAAGCCTTAATCCAAAGCAGTGGCTTACAGCTGGAGCTGACACAATAGCTGGGAT
CCCATGTGCTCCTTAACATGACTCCAGTGGGAATTGGCAAGTGTCTTAAGTACATCCT
CAATGGCAGTTGGAACACTCATTGGAGGAGGAGGCTATAACCTGCCAACACGGCT
CGATGCTGGACATACTTGACCGGGTCATCCTAGGAAAACACTATCCTCTGAGATCCCA
GATCATGAGTTTCACAGCATATGGCCTGATTATGTGCTGGAAATCAGCCAAGCTGC
CGGCCAGACCGCAATGAGCCCCACCGAATCCAACAAATCCTCAACTACATCAAAGGGAAAT
CTGAAGCATGTGGTCTAG